

Online pH ORP Indicating Transmitter – 2 Wire MS pH 211T FLP (Flameproof)



FEATURE

- On-line measurement. 2 wire system.
- 4-20 mA DC output. Auto/Manual temperature compensation.
- On-Line indication through LCD display.
- Simple operating interface with basic pictographs.
- Easy installation with pre assembled empty enclosure & Plug in terminals.
- Protection Class IP-66
- Software calibration with buffer solution

MicroSet series MS pH 211T FLP are PH / ORP transmitters used for various industrial applications. It can accept input from pH / ORP electrode & pH / ORP signal is transmitted in the form of electrical 4 - 20 mA signal. The on-line pH / ORP indication is provided through LCD. Span / Zero adjustments are easily accessible. These transmitters are suitable for any make of electrode.

SPECIFICATION

Measuring Parameter	: pH or ORP (Selectable)
Type of Input	: From pH / ORP Electrode (Compatible to any make Electrode)
Type of Output	: 4 - 20 mA DC, 2 wire Isolated (max Load 600Ω)
Display	: COG Graphics LCD
Calibration Range	: 0 to 14 pH / ± 2000mV
Resolution	: 0.01 pH, 1 mV
Calibration Method	: 3 Point buffer(For pH Only)
Temperature Compensation	: Auto / Manual through RTD, Pt 100 sensor for 0-125° C
Accuracy	: ± 0.01 pH / ± 3mV
Output Current Accuracy	: ± 0.3 of Full scale
Isolation	: 1.4 KV between Input, Output & Power Supply
Input Impedance	: 10 ¹² Ohm
Memory	: EEPROM , Non Volatile
Process Connection	: 1) Through BNC connector 2) Through Terminals



Power Supply	: 24 V DC, External
Power Consumption	: < 50 mW
Repeatability	: +/-0.05% of span, at 25°C
Stability	: 0.02pH per 24 Hours, non- cumulative
Response Time	: < 1000 mSec
Temperature Coefficient	: +/- 0.05% per C
Temperature Drift	: +/- 0.02% of span per C (zero & span) at 25 C
Dimensions	: 135 (H) x 182 (W) including cable gland x 200 (D) in mm approx.
Electrical Connections	: 3/4" ET
Mounting	: 2" Pipe Mounting
Weight	: 0.5 kg
Operating Conditions	: Temperature -20 to 75° C / Humidity 5 to 95% non condensing
Housing	: Cast aluminum
Enclosure class Digital	: IP66, Flame Proof, Ex db IIC T6 GB
Communication	: HART (Optional)